Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/31/2017 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124540	-1	1.79	124422	1.76
Blue	F	SSC	125000	124524	-1	3.05	124845	2.92
Blue	E	FITC	21625	21047	-3	2.44	938	10.11
Blue	D	PE	26832	26303	-2	1.98	946	9.40
Blue	B	PerCP-Cy5-5	48027	47302	-2	3.37	1359	16.57
Blue	A	PE-Cy7	40971	40553	-2	5.06	626	35.33
Red	C	APC	49746	49294	-1	2.77	2842	9.35
Red	A	APC-Cy7	53615	53383	-1	2.77	1106	11.17
Violet	B	V450	14488	13965	-4	4.57	667	9.33
Violet	A	V500	55123	53589	-3	4.41	2375	6.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19791	5.73	606	8	N/A	N/A	Pass
Blue	F	SSC	62045	1.47	535	1	N/A	N/A	Pass
Blue	E	FITC	105	37.53	534	-2	0.0212	103	Pass
Blue	D	PE	207	27.56	530	-1	0.1725	223	Pass
Blue	B	PerCP-Cy5-5	213	44.48	626	-3	0.0106	116	Pass
Blue	A	PE-Cy7	67	116.28	677	-4	0.0119	10	Pass
Red	C	APC	334	27.19	588	-6	0.0209	67	Pass
Red	A	APC-Cy7	121	39.54	573	-7	0.0056	1442	Pass
Violet	B	V450	81	42.36	463	-8	0.0454	1857	Pass
Violet	A	V500	172	23.05	488	-8	0.0141	395	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.96	-30.59	0.89
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	15.85	13.27 - 19.91	N/A	N/A	30.70	31.18	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13618

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments